

# First Grade Math Pacing Guide

## A Year at a Glance 2017 - 2018

Math Investigations Unit		Time Frame	CC Math Standards
Quarter 1	<p>*Begin the year by establishing classroom routines and procedures as well as your mathematical community.</p> <p><b>Unit 1 – How Many of Each?</b>  <i>Addition, Subtraction, and the Number System 1</i>  <b>(26 Lessons, 29 Days)</b></p> <p><b>Investigation 1:</b> Counting and Quantity – 4 Lessons  <b>Investigation 2:</b> Counting and Comparing – 8 Lessons            (1 additional lesson -- Session 2.5A: Plus or Minus 1 BINGO)  <b>Investigation 3:</b> Combining – 7 Lessons  <b>Investigation 4:</b> Composing Numbers – 7 Lessons</p>	August 28 – October 6	1.OA.1, 1.OA.2 1.OA.3 1.OA.5 1.OA.6 1.OA.7, 1.OA.8  1.NBT.1 1.NBT.3 1.MD.4
	<p><b>Unit 3 – Solving Story Problems</b>  <i>Addition, Subtraction, and the Number System 2</i>  <b>(26 Lessons, 28 Days)</b></p> <p><b>Investigation 1:</b> Combinations – 10 Lessons            (1 additional lesson -- Session 1.10A: True or False?)  <b>Investigation 2:</b> Introducing Subtraction – 3 Lessons  <b>Investigation 3:</b> Working with Addition and Subtraction – 5 Lessons  <b>Investigation 4:</b> Counting Larger Amounts – 8 Lessons</p>	October 9 – November 17	1.OA.1, 1.OA.2 1.OA.3, 1.OA.4 1.OA.5, 1.OA.6 1.OA.7, 1.OA.8  1.NBT.1 1.NBT.3 1.MD.4
	<p><b>Unit 4 – What Would You Rather Be?</b>  <i>Data Analysis</i>  <b>(11 Lessons, 12 Days)</b></p> <p><b>Investigation 1:</b> Sorting – 4 Lessons  <b>Investigation 2:</b> Collecting and Representing Data – 5 Lessons  <b>Investigation 3:</b> Comparing Age Data – 2 Lessons            (Omit Sessions 3.1 - 3.3. Sessions are condensed into Session 3.4A)            (1 additional lesson -- Session 3.4A: Representing &amp; Describing Data)</p>	November 20 – December 8	1.MD.4  1.NBT.1 1.NBT.3
	<p><b>Unit 2 and Unit 9 – Making Shapes, Blocks and Boxes</b>  <i>2-D and 3-D Geometry</i>  <b>(16 Lessons, 20 Days)</b></p> <p><b>Unit 2 – Making Shapes and Designing Quilts</b> <i>(2-D Geometry)</i>  <b>Investigation 1:</b> Composing and Decomposing 2-D Shapes – 7 Lessons  <b>Investigation 2:</b> Describing and Sorting Shapes – 5 Lessons  <b>Investigation 3:</b> Quilts – 4 Optional Lessons</p> <p><b>Unit 9 – Blocks and Boxes</b> <i>(3-D Geometry)</i>  <b>Investigation 1:</b> Comparing and Constructing 3-D Shapes – 2 Lessons            (Combine or condense Sessions 1.1 – 1.2 and Sessions 1.4 – 1.5)            (Omit Sessions 1.3, 1.6 – 1.8)  <b>Investigation 2:</b> Building a Block Town – 2 Lessons            (Combine or condense Sessions 2.1 – 2.2)            (Omit Sessions 2.3 – 2.8)            (1 additional lesson – Session 2.3A: Cones and Cylinders)</p>	December 11 – January 19	1.G.1 1.G.2  1.NBT.1 1.MD.4

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Quarter 3	<b>Unit 5 – Fish Lengths and Animal Jumps</b> <i>Measurement</i> <b>(15 Lessons, 18 Days)</b> <u><b>Investigation 1:</b></u> Learning to Measure – 6 Lessons (Omit Session 1.5 and replace with Session 1.5A: Measuring Keepers) <u><b>Investigation 2:</b></u> Measuring Distances – 5 lessons <u><b>Investigation 3A:</b></u> Halves and Fourths – 4 Lessons (4 additional lessons -- Sessions 3A.1 – 3A.4)	January 24 – February 16	1.MD.1 1.MD.2 1.G.3  1.NBT.1 1.NBT.3 1.OA.1 1.MD.3 1.G.2
	<b>Unit 6 – Number Games and Crayon Puzzles</b> <i>Addition, Subtraction, and the Number System 3</i> <b>(23 Lessons, 25 Days)</b> <u><b>Investigation 1:</b></u> Combinations of Ten – 9 Lessons (2 additional lessons -- Sessions 1.8A: Story Problems and Missing Parts and 1.8B: More Story Problems with Missing Parts) <u><b>Investigation 2:</b></u> Combinations of Numbers – 6 Lessons (1 additional lesson -- Session 2.6A: True or False?) <u><b>Investigation 3:</b></u> Addition and Subtraction – 8 Lessons	February 19 – March 23	1.OA.1, 1.OA.2 1.OA.3, 1.OA.4 1.OA.5, 1.OA.6 1.OA.7, 1.OA.8 1.NBT.1 1.NBT.2 1.NBT.3  1.MD.3 1.MD.4
	<b>Unit 7 – Color, Shape, and Number Patterns</b> <i>Patterns and Functions</i> <b>(9 Lessons, 4 Days)</b> <u><b>Investigation 1:</b></u> Repeating Patterns – 2 Lessons (Refer to Replacement Activities for Investigation 1) <u><b>Investigation 2:</b></u> Number Sequences – 7 Lessons *Patterning is not a critical area. Sessions may be omitted or combined.	March 26 – March 29	1.OA.1 1.OA.2 1.OA.5 1.OA.6 1.OA.7 1.OA.8 1.NBT.1
Quarter 4	<b>Unit 8 – Twos, Fives, and Tens</b> <i>Addition, Subtraction, and the Number System 4</i> <b>(23 Lessons, 44 Days)</b> <u><b>Investigation 1:</b></u> Getting to 100 – 4 Lessons (Omit Session 1.3 and replace with Session 1.3A: Counting to 120 and Beyond) <u><b>Investigation 2:</b></u> Twos, Fives, and Tens – 8 Lessons <u><b>Investigation 3:</b></u> Tens – 6 Lessons <u><b>Investigation 4A:</b></u> Adding and Subtracting with 2-Digit Numbers – 5 Lessons (5 additional lessons -- Sessions 4A.1 – 4A.5)  *Additional Place Value Unit available on DPI Wikispace ( <a href="http://maccss.ncdpi.wikispaces.net/First+Grade">http://maccss.ncdpi.wikispaces.net/First+Grade</a> )  Review & Assessments	April 9 – June 8	1.OA.1, 1.OA.2 1.OA.3 1.OA.5, 1.OA.6 1.OA.7, 1.OA.8  1.NBT.1 1.NBT.2 1.NBT.3 1.NBT.4 1.NBT.5 1.NBT.6